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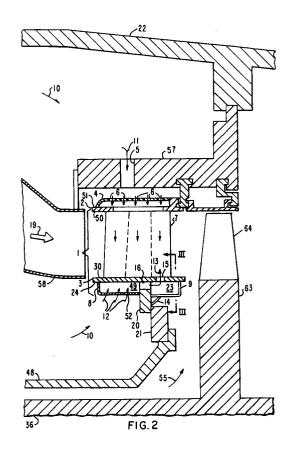
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- 64) Apparatus and method for minimizing differential thermal expansion of gas turbine vane structures.
- In a gas turbine having a plurality of shrouded vane segments (1) and a duct (58) directing a hot gas (19) to flow through the vanes (7) over a first surface (30) of the shroud (3), a containment structure (9) is provided for containing and distributing cooling air (13) which consists of a first layer (17) and a second layer (18) joined to form a laminate structure (9) and which is attached to a second surface (24) of each of said shrouds (3) and has first passageways (59) disposed between the first and second layers (17, 18), in flow communication with a plurality of second passageways (29) formed in said shrouds (3) for directing a portion (26) of said hot gas (19) to said first passageways (59) to minimize differential thermal expansion of the structure.





## EUROPEAN SEARCH REPORT

EP 91 11 3695

DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document with indication, where appropriate, Relevant			Delevent	CLASSIFICATION OF THE	
Category	of relevant passage			APPLICATION (Int. Cl.5)	
A	FR-A-2 359 976 (GENERAL ELE	ECTRIC) 1		F01D5/18	
	* page 5, line 35 - page 6,	1		F01D11/08	
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	* page 1, line 37 - line 47				
	* page 1, line 86 - line 98	; claim 1 *	1		
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